

## Author Index

- Allen, T., Henschel, E.V., Coons, T., Cross, L., Conley, J. and Ullman, B.  
Purification and characterization of the adenine phosphoribosyltransferase and hypoxanthine-guanine phosphoribosyltransferase activities from *Leishmania donovani*, 273
- Alvarez, R.M., Henry, R.W. and Weil, G.J.  
Use of Iodogen and sulfosuccinimidobiotin to identify and isolate cuticular proteins of the filarial parasite *Brugia malayi*, 183
- Anders, R.F., see Sheppard, M., 101
- Andrews, N.W. and Whitlow, M.B.  
Secretion by *Trypanosoma cruzi* of a hemolysin active at low pH, 249
- Atkins, A., see Cooper, J.A., 203
- Bach, D., see Rosenberg, I., 237
- Beck, E., see Klinkert, M.-Q., 113
- Blum, J.J., see Darling, T.N., 191
- Bogitsh, B.J., see Scallan, B.J., 105
- Bontempi, E., Martinez, J. and Cazzullo, J.J.  
Subcellular localization of a cysteine proteinase from *Trypanosoma cruzi*, 43
- Bordier, C., see Heumann, D., 67
- Bouvier, J., see Heumann, D., 67
- Bülow, R., see Carrington, M., 289
- Burger, D., see Heumann, D., 67
- Bzik, D.J., see Li, W.-B., 13
- Campbell, T., Rubin, N. and Komuniecki, R.  
Succinate-dependent energy generation in *Ascaris suum* mitochondria, 1
- Carrington, M., Bülow, R., Reinke, H. and Overath, P.  
Sequence and expression of the glycosyl-phosphatidylinositol-specific phospholipase C of *Trypanosoma brucei*, 289
- Carter, C.E., see Scallan, B.J., 105
- Cazzullo, J.J., Couso, R., Raimondi, A., Wernstedt, C. and Hellman, U.  
Further characterization and partial amino acid sequence of a cysteine proteinase from *Trypanosoma cruzi*, 33
- Cazzullo, J.J., see Bontempi, E., 43
- Clayton, C.E. and Fox, J.A.  
Phosphorylation of fructose biphosphate aldolase in *Trypanosoma brucei*, 73
- Conley, J., see Allen, T., 273
- Cook, G.A., see Son, H.J., 59
- Coons, T., see Allen, T., 273
- Cooper, J.A., Atkins, A. and Saul, A.J.  
N-terminal amino acid sequencing of the 105 kilodalton rhoptry antigen of *Plasmodium falciparum* (Short Communication), 203
- Couso, R., see Cazzullo, J.J., 33
- Cross, L., see Allen, T., 273
- Darling, T.N., Davis, D.G., London, R.E. and Blum, J.J.  
Carbon dioxide abolishes the reverse Pasteur effect in *Leishmania major* promastigotes, 191
- Davis, C.E., see Pamer, E.G., 27
- Davis, D.G., see Darling, T.N., 191
- De Colmenares, M., see Heumann, D., 67
- Debrabant, A. and Delplace, P.  
Leupeptin alters the proteolytic processing of P126, the major parasitophorous vacuole antigen of *Plasmodium falciparum*, 151
- Degrave, Z., see Sturm, N.R., 205
- Delplace, P., see Debrabant, A., 151
- Dickin, S.K. and Gibson, W.C.  
Hybridisation with a repetitive DNA probe reveals the presence of small chromosomes in *Trypanosoma vivax*, 135
- Donelson, J.E., see Son, H.J., 59
- Felleisen, R., see Klinkert, M.-Q., 113
- Fetterer, R.H., see Gamble, H.R., 49
- Fox, J.A., see Clayton, C.E., 73
- Gamble, H.R., Purcell, J.P. and Fetterer, R.H.  
Purification of a 44 kilodalton protease which mediates the ecdysis of infective *Haemonchus contortus* larvae, 49
- Gibson, W.C., see Dickin, S.K., 135
- Gitler, C., see Rosenberg, I., 237
- Haidaris, C.G., see Harth, G., 143
- Hall, T., see Son, H.J., 59
- Hart, D.T., Lauwers, W.J., Willemsens, G., Vanden Bossche, H. and Opperdoes, F.R.  
Perturbation of sterol biosynthesis by itraconazole and ketoconazole in *Leishmania mexicana mexicana* infected macrophages, 123
- Harth, G., Haidaris, C.G. and So, M.  
Purification and characterization of stage-specific glycoproteins from *Trypanosoma cruzi*, 143
- Hellman, U., see Cazzullo, J.J., 33
- Hemmings, L. and McManus, D.P.  
The isolation, by differential antibody screening, of *Echinococcus multilocularis* antigen gene clones with potential for immunodiagnosis, 171
- Henry, R.W., see Alvarez, R.M., 183
- Henschel, E.V., see Allen, T., 273
- Heumann, D., Burger, D., Vischer, T., De Colmenares, M., Bouvier, J. and Bordier, C.  
Molecular interactions of *Leishmania* promastigote surface protease with human  $\alpha$ 2-macroglobulin, 67
- Higashi, G., see Rothstein, N.M., 229
- Hill, T., see Parsons, M., 215
- Horii, T., see Li, W.-B., 13
- Hudson, K.M., see Meade, J.C., 81
- Inselburg, J., see Li, W.-B., 13
- Kaslow, D.C., Syin, C., McCutchan, T.F. and Miller, L.H.  
Comparison of the primary structure of the 25 kDa ookinete surface antigen of *Plasmodium falciparum* and *Plasmodium gallinaceum* reveal six conserved regions, 283
- Kemp, D.J., see Sheppard, M., 101

- Klinkert, M.-Q., Felleisen, R., Link, G., Ruppel, A. and Beck, E.  
Primary structures of Sm31/32 diagnostic proteins of *Schistosoma mansoni* and their identification as proteases, 113
- Komuniecki, R., see Campbell, T., 1
- Lauwers, W.J., see Hart, D.R., 123
- Lew, A.M., see Sheppard, M., 101
- Li, W.-B., Bzik, D.J., Horii, T. and Inselburg, J.  
Structure and expression of the *Plasmodium falciparum* SERA gene, 13
- Lima, M.F. and Villalta, F.  
*Trypanosoma cruzi* trypomastigote clones differentially express a parasite cell adhesion molecule, 159
- Link, G., see Klinkert, M.-Q., 113
- Loew, L.M., see Rosenberg, I., 237
- London, R.E., see Darling, T.N., 191
- Luanvararat, M., see Ruenwongsa, P., 265
- Martinez, J., see Bontempi, E., 43
- McCutchan, T.F., see Kaslow, D.C., 283
- McManus, D.P., see Hemmings, L., 171
- Meade, J.C., Hudson, K.M., Stringer, S.L. and Stringer, J.R.  
A tandem pair of *Leishmania donovani* cation transporting ATPase genes encode isoforms that are differentially expressed, 81
- Miller, L.H., see Kaslow, D.C., 283
- Morel, C., see Sturm, N.R., 205
- O'Sullivan, W.J., see Ruenwongsa, P., 265
- Opferdoes, F.R., see Hart, D.T., 123
- Otte, J. and Werries, E.  
Specificity of a cysteine proteinase of *Entamoeba histolytica*, 257
- Overath, P., see Carrington, M., 289
- Pamer, E.G., So, M. and Davis, C.E.  
Identification of a developmentally regulated cysteine protease of *Trypanosoma brucei*, 27
- Parsons, M. and Hill, T.  
Elevated phosphoglycerate kinase mRNA but not protein in monomorphic *Trypanosoma brucei*: implications for stage-regulation and post-transcriptional control, 215
- Purcell, J.P., see Gamble, H.R., 49
- Raimondi, A., see Cazzulo, J.J., 33
- Rajan, T.V., see Rothstein, N.M., 229
- Reinke, H., see Carrington, M., 289
- Rollinson, D., see Walker, T.K., 93
- Rosenberg, I., Bach, D., Loew, L.M. and Gitler, C.  
Isolation, characterization, and partial purification of a transferable membrane channel (amoebapore) produced by *Entamoeba histolytica*, 237
- Rothstein, N.M., Higashi, G., Yates, J. and Rajan, T.V.  
*Onchocerca volvulus* heat shock protein 70 is a major immunogen in microfilaremic individuals from a filariasis-endemic area, 229
- Rubin, N., see Campbell, T., 1
- Ruenwongsa, P., Luanvararat, M. and O'Sullivan, W.J.  
Serine hydroxymethyltransferase from pyrimethamine-sensitive and -resistant strains of *Plasmodium chabaudi*, 265
- Ruppel, A., see Klinkert, M.-Q., 113
- Saul, A.J., see Cooper, J.A., 203
- Scallan, B.J., Bogitsh, B.J. and Carter, C.E.  
Characterization of a large gene family in *Schistosoma japonicum* that encodes an immunogenic miracidial antigen, 105
- Sheppard, M., Kemp, D.J., Anders, R.F. and Lew, A.M.  
High level sequence homology between a *Plasmodium chabaudi* heat shock protein gene and its *Plasmodium falciparum* equivalent (Short Communication), 101
- Simpson, A.J.G., see Walker, T.K., 93
- Simpson, L., see Sturm, N.R., 205
- So, M., see Harth, G., 143
- So, M., see Pamer, E.G., 27
- Son, H.J., Cook, G.A., Hall, T. and Donelson, J.E.  
Expression site associated genes of *Trypanosoma brucei rhodesiense*, 59
- Stringer, J.R., see Meade, J.C., 81
- Stringer, S.L., see Meade, J.C., 81
- Sturm, N.R., Degraeve, W., Morel, C. and Simpson, L.  
Sensitive detection and schizodeme classification of *Trypanosoma cruzi* cells by amplification of kinetoplast minicircle DNA sequences: use in diagnosis of Chagas' disease, 205
- Syin, C., see Kaslow, D.C., 283
- Ullman, B., see Allen, T., 273
- Vanden Bossche, H., see Hart, D.T., 123
- Villalta, F., see Lima, M.F., 159
- Vischer, T., see Heumann, D., 67
- Walker, T.K., Rollinson, D. and Simpson, A.J.G.  
A DNA probe from *Schistosoma mansoni* allows rapid determination of the sex of larval parasites, 93
- Weil, G.J., see Alvarez, R.M., 183
- Wernstedt, C., see Cazzulo, J.J., 33
- Werries, E., see Otte, J., 257
- Whitlow, M.B., see Andrews, N.W., 249
- Willemsens, G., see Hart, D.T., 123
- Yates, J., see Rothstein, N.M., 229

## Subject Index

- Acidic pH, 249  
 Adenine phosphoribosyltransferase, 273  
 Aldolase, 73  
 Amebiasis, 237  
 Amino acid sequencing, 203  
 Anaerobiosis, 191  
 Antigenic variation, 135  
*Ascaris suum*, 1  
  
 Carbon dioxide, 191  
 Cathepsin B, 113  
 Cation transporting ATPase gene, 81  
 Contact-dependent killing, 237  
 Cuticle, 183  
 Cysteine protease, 27  
 Cysteine proteinase, 33, 43, 257  
 Cytotoxicity, 237  
  
 Developmental regulation, 27  
 Differential antibody screening, 171  
 Differential gene expression, 81  
 Differential parasite binding, 159  
 Differentiation, 215  
 Difluoromethyl-ornithine, 27  
 DNA sequence, 105  
 cDNA, 289  
  
 Ecdysis, 49  
*Echinococcus multilocularis*, 171  
*Entamoeba histolytica*, 257  
 Epidermal growth factor, 283  
 Exported antigen, 13  
 Expression site associated gene, 59  
 Exsheathment, 49  
  
 Filariasis, 183, 229  
 Folate, 265  
  
 Gene, 289  
 Gene cloning, 105  
 Gene copy number, 13  
 Genomic DNA sequence, 13  
 Glycoprotein, 33  
 83 kDa glycoprotein, 159  
 Glycosome, 73  
 Glycosyl-phosphatidylinositol-specific phospholipase C, 289  
  
 Haemoglobinase, 113  
 Haemolysin, 249  
*Haemonchus contortus*, 49  
 Heat shock protein, 70, 229  
 Highly and weakly infective clones, 159  
 Host cell infection, 159  
 Hypoxanthine-guanine phosphoribosyltransferase, 273  
  
 Immunodiagnosis, 171  
 Immunoscreening, 229  
 Infective larva, 49  
 Itraconazole, 123  
  
 Ketoconazole, 123  
  
*Leishmania*, 67  
*Leishmania donovani*, 81  
*Leishmania major*, 191  
*Leishmania mexicana mexicana*, 123  
 Life cycle, 289  
 Lysosomal proteinase, 43  
 $\lambda$ gt11 cDNA library, 171  
  
 $\alpha$ 2-Macroglobulin, 67  
 Macrophage, 123  
 Malaria, 283  
 Membrane pore, 237  
 Merozoite, 151  
 Metabolism, 191  
 Mini-chromosome, 135  
 Minicircle DNA, 205  
 Minirepeat, 205  
 Miracidia, 105  
 Mitochondrial adenine nucleotide, 1  
 Monoclonal antibody, 151  
  
 Nematode, 183  
 Nucleotide sequence, 113  
  
*Onchocerca volvulus*, 229  
 Ookinete, 281  
  
 Parasite cell adhesion molecule, 159  
 Phagosome disruption, 249  
 Phosphoglycerate kinase, 215  
 Phosphorylation, 75  
*Plasmodium falciparum*, 13, 151, 203, 283  
*Plasmodium gallinaceum*, 283  
 Polymerase chain reaction, 205  
 Post-transcriptional control, 215  
 Protease, 49, 67  
 Protease inhibition, 151  
 Protein purification, 49  
 Proteinase, 67  
 Proteolysis, 27  
 Purine, 273  
 Pyrimethamine resistance, 265  
  
 Reverse Pasteur effect, 191  
 Rhoptry antigen, 203  
  
 Satellite DNA, 135  
*Schistosoma japonicum*, 105  
*Schistosoma mansoni*, 93, 113

Schizodeme, 205  
Schizont, 151  
SERA gene allele, 13  
SERA protein, 13  
Serine hydroxymethyltransferase, 265  
Sex differentiation, 93  
Sex specific DNA, 93  
Sexual stage specific, 283  
Specificity, 257  
Stage-specific glycoprotein, 143  
Sterol biosynthesis, 123  
Subcellular fractionation, 43

Succinate metabolism, 43  
Succinate metabolism, 1  
Surface labeling, 183  
Synthetic tetrapeptide, 257

Transcript, 215  
Trichostrongyle, 49  
*Trypanosoma brucei*, 27, 205, 289  
*Trypanosoma brucei rhodesiense*, 59  
*Trypanosoma cruzi*, 33, 43, 143, 159, 205, 249  
*Trypanosoma vivax*, 135  
Trypanosome, 73, 135

